4. From April 2012 onwards, after the notation C08L

3. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a C08L

1. Compositions classified in C08K according to note 3 of C08K, are not classified in C08L.

2. Documents classified before 09.2003: Classification is given in the form of C-Sets. The polymer in majority is given a C08L symbol, and the minor components are characterised by Indexing Codes taken from the list below. The Indexing Codes are linked. The polymer in majority is always first in the C-set. List of C08L codes: C08L 23/00, C08L 23/26, C08L 25/00, C08L 27/00, C08L 27/04, C08L 27/12, C08L 29/00, C08L 31/00, C08L 33/00, C08L 35/00, C08L 37/00, C08L 51/00, C08L 53/00, C08L 55/02, C08L 61/04, C08L 61/20, C08L 63/00, C08L 67/00, C08L 67/02, C08L 67/05, C08L 67/06, C08L 67/07, C08L 69/00, C08L 69/05, C08L 71/00, C08L 75/04, C08L 77/00, C08L 77/08, C08L 77/12, C08L 79/08, C08L 79/085, C08L 81/00, C08L 83/00, C08L 85/00, C08L 91/06, C08L 95/00 or C08L 2666/00 - C08L 2666/86. Documents from group C08L 23/00 - C08L 23/36, C08L 45/00 - C08L 45/02 and C08L 49/00 have all been reclassified following Note 3 below. An additive is classified in the last appropriate place in the list as selected for each C08L group. Examples:

a. A composition based on a polyamide and a graft polymer is classified in ( C08L 77/00, C08L 2666/24 ).

b. A composition based on polyvinylchloride and containing CaCO3 is classified according to note 4 of C08K, i.e. in ( C08K 3/26, C08L 27/06 ). If this composition contains also a polyamide, then the classification will be ( C08L 27/06, C08L 77/00, C08K 3/26 )

c. A composition based on a polysiloxane ( C08L 83/04 ) and containing a second polysiloxane, a phenol and silica is classified in ( C08L 83/04, C08L 83/04, C08L 2666/34, C08L 2666/58 ).

3. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a C08L class, and the minor components are characterised by Indexing Codes taken from C08L or C08K and they are linked or unlinked. The polymer in majority is always first in the C-set. List of C08L codes in the C-Set: C08L 1/00, C08L 81/00, C08L 83/00, C08L 91/06, C08L 95/00 or C08L 2666/02 - C08L 2666/08, C08L 2666/14 - C08L 2666/26. Examples:

a. A blend of 60 parts polyvinylchloride ( C08L 27/06 ) and 40 parts polyamide is classified in ( C08L 27/06, C08L 2666/20 ) and C08L 77/00.

b. A blend of 50 parts polyvinylchloride ( C08L 27/06 ) and 50 parts polyamide ( C08L 77/00 ) is classified in ( C08L 27/06, C08L 2666/20 ) and C08L 77/00, as well as in ( C08L 77/00, C08L 2666/04 ) and C08L 27/06.

c. A composition based on polyvinylchloride and containing CaCO3 is classified according to [N: Note 4 of C08K, i.e. in ( C08K 3/26, C08L 27/06 ). If this composition contains also a polyamide, then the classification will be ( C08L 27/06, C08L 2666/20 ) and C08K 3/26.

d. A composition based on a first polysiloxane ( C08L 83/04) and containing a second polysiloxane, a phenol and silica is classified in ( C08L 83/04, C08L 83/04, C08L 2666/13, C08K 5/13, C08K 3/26 ) and C08L 2205/02.

4. From April 2012 onwards, after the notation C08L, notations concerning the other constituents of the composition may be added, in the form of C-Sets. The further constituent is added with an indexing code. The indexing codes are chosen from C08L 1/00 - C08L 2555/86 or C08K and they may be linked or unlinked: - C08L 1/00 - C08L 101/10 are linked. - C08L 2201/00 - C08L 2555/86 are unlinked. The polymer in majority is always first in the C-Set. Examples:

a. A blend of 60 parts polyvinylchloride ( C08L 27/06 ) and 40 parts polyamide ( C08L 77/00 ) is classified in ( C08L 27/06, C08L 77/00 ).

b. A blend of 50 parts polyvinylchloride ( C08L 27/06 ) and 50 parts polyamide ( C08L 77/00 ) is classified in ( C08L 27/06, C08L 77/00 ) and ( C08L 77/00, C08L 27/06 ).

c. A composition based on polyvinylchloride and containing CaCO3 is classified according to [N: Note 4 of C08K, i.e. in ( C08K 3/26, C08L 27/06 ). If this composition contains also a polyamide, then the classification will be ( C08L 27/06, C08L 77/00, C08K 3/26 ).

d. A composition based on a first polysiloxane ( C08L 83/04 ) and containing a second polysiloxane, a phenol and silica is classified in ( C08L 83/04, C08L 83/00, C08K 5/13, C08K 3/26 ) and C08L 2205/02.
5. “Rubber” includes:
- natural or conjugated diene rubbers;
- rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for compositions of such macromolecular compounds).

6. In this subclass:
- compositions are classified according to the mutual proportions by weight of only the macromolecular constituents;
- compositions are classified according to the macromolecular constituent or constituents present in the highest proportion: if all these constituents are present in equal proportions the composition is classified according to each of these constituents.

### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - C08L 61/08 - C08L 61/10 covered by C08L 63/02
   - C08L 83/05 covered by C08L 83/07

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

### Compositions of polysaccharides or of their derivatives

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<tr>
<th>1/00</th>
<th>Compositions of cellulose, modified cellulose or cellulose derivatives</th>
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<tr>
<td>1/02</td>
<td>Cellulose; Modified cellulose</td>
</tr>
<tr>
<td>1/04</td>
<td>Oxy cellulose; Hydrocellulose {, e.g. microcrystalline cellulose}</td>
</tr>
<tr>
<td>1/06</td>
<td>Cellulose hydrate</td>
</tr>
<tr>
<td>1/08</td>
<td>Cellulose derivatives</td>
</tr>
<tr>
<td>1/10</td>
<td>Esters of organic acids {, i.e. acylates}</td>
</tr>
<tr>
<td>1/12</td>
<td>Cellulose acetate</td>
</tr>
<tr>
<td>1/14</td>
<td>Mixed esters, e.g. cellulose acetate-butyrate</td>
</tr>
<tr>
<td>1/16</td>
<td>Esters of inorganic acids</td>
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<tr>
<td>1/18</td>
<td>Cellulose nitrate {, i.e. nitrocellulose}</td>
</tr>
<tr>
<td>1/20</td>
<td>Esters of both organic acids and inorganic acids</td>
</tr>
<tr>
<td>1/22</td>
<td>Cellulose xanthate</td>
</tr>
<tr>
<td>1/24</td>
<td>Viscose</td>
</tr>
<tr>
<td>1/26</td>
<td>Cellulose ethers</td>
</tr>
<tr>
<td>1/28</td>
<td>Alkyl ethers</td>
</tr>
<tr>
<td>1/282</td>
<td>[with halogen-substituted hydrocarbon radicals]</td>
</tr>
<tr>
<td>1/284</td>
<td>[with hydroxylated hydrocarbon radicals]</td>
</tr>
<tr>
<td>1/286</td>
<td>[substituted with acid radicals, e.g. carboxymethyl cellulose [CMC]</td>
</tr>
<tr>
<td></td>
<td>(C08L 1/282 takes precedence)</td>
</tr>
<tr>
<td>1/288</td>
<td>[substituted with nitrogen-containing radicals]</td>
</tr>
<tr>
<td>1/30</td>
<td>Aryl ethers; Aralkyl ethers</td>
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<tr>
<td>1/32</td>
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<tr>
<th>3/00</th>
<th>Compositions of starch, amylose or amylopectin or of their derivatives or degradation products</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/02</td>
<td>Starch; Degradation products thereof, e.g. dextrin</td>
</tr>
<tr>
<td>3/04</td>
<td>Starch derivatives {, e.g. crosslinked derivatives}</td>
</tr>
<tr>
<td>3/06</td>
<td>Esters</td>
</tr>
<tr>
<td>3/08</td>
<td>Others</td>
</tr>
<tr>
<td>3/10</td>
<td>Oxidised starch</td>
</tr>
<tr>
<td>3/12</td>
<td>Amylose; Amylopectin; Degradation products thereof</td>
</tr>
<tr>
<td>3/14</td>
<td>Amylose derivatives; Amylopectin derivatives</td>
</tr>
<tr>
<td>3/16</td>
<td>Esters</td>
</tr>
<tr>
<td>3/18</td>
<td>Others</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>5/00</th>
<th>Compositions of polysaccharides or of their derivatives not provided for in groups C08L 1/00 or C08L 3/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/02</td>
<td>Dextran; Derivatives thereof</td>
</tr>
<tr>
<td>5/04</td>
<td>Alginate acid; Derivatives thereof</td>
</tr>
<tr>
<td>5/06</td>
<td>Pectin; Derivatives thereof</td>
</tr>
<tr>
<td>5/08</td>
<td>Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof</td>
</tr>
<tr>
<td>5/10</td>
<td>Heparin; Derivatives thereof</td>
</tr>
<tr>
<td>5/12</td>
<td>[Agar or] agar-agar [, i.e. mixture of agarose and agaroprotein]; Derivatives thereof</td>
</tr>
<tr>
<td>5/14</td>
<td>Hemicellulose; Derivatives thereof</td>
</tr>
<tr>
<td>5/16</td>
<td>Cyclodextrin; Derivatives thereof</td>
</tr>
</tbody>
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<thead>
<tr>
<th>7/00</th>
<th>Compositions of natural rubber</th>
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<tbody>
<tr>
<td>7/02</td>
<td>Latex</td>
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</table>

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<thead>
<tr>
<th>9/00</th>
<th>Compositions of homopolymers or copolymers of conjugated diene hydrocarbons</th>
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<tbody>
<tr>
<td>9/02</td>
<td>Copolymers with acrylonitrile</td>
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<tr>
<td>9/04</td>
<td>Latex</td>
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<tr>
<td>9/06</td>
<td>Copolymers with styrene</td>
</tr>
<tr>
<td>9/08</td>
<td>Latex</td>
</tr>
<tr>
<td>9/10</td>
<td>Latex (C08L 9/04, C08L 9/08 take precedence)</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>11/00</th>
<th>Compositions of homopolymers or copolymers of chloroprene</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/02</td>
<td>Latex</td>
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<table>
<thead>
<tr>
<th>13/00</th>
<th>Compositions of rubbers containing carboxyl groups</th>
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<tbody>
<tr>
<td>13/02</td>
<td>Latex</td>
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<table>
<thead>
<tr>
<th>15/00</th>
<th>Compositions of rubber derivatives (C08L 11/00, C08L 13/00 take precedence)</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/005</td>
<td>[Hydrogenated nitrile rubber]</td>
</tr>
<tr>
<td>15/02</td>
<td>Rubber derivatives containing halogen</td>
</tr>
</tbody>
</table>

| 17/00 | Compositions of reclaimed rubber                                                                       |

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**CPC - 2019.02**
Compositions of rubber or of their derivatives

19/00  Compositions of rubbers not provided for in groups C08L 7/00 - C08L 17/00
19/003  [Precrosslinked rubber; Scrap rubber; Used vulcanised rubber]
19/006  [Rubber characterised by functional groups, e.g. telechelic diene polymers]
19/02  Latex

21/00  Compositions of unspecified rubbers
21/02  Latex

Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

NOTE

{Groups C08L 23/00 - C08L 49/00 are to be interpreted in accordance with Notes 2), 3) and 4 a) following the title of subclass C08F}

23/00  Compositions of homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Compositions of derivatives of such polymers
23/02  not modified by chemical after-treatment
23/025  [Copolymer of an unspecified olefin with a monomer other than an olefin]
23/04  Homopolymers or copolymers of ethene
23/06  Polyethylene
23/08  Copolymers of ethene (C08L 23/16 takes precedence)
23/0807  [Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms]
23/0815  [Copolymers of ethene with aliphatic 1-olefins]
23/0823  [Copolymers of ethene with aliphatic cyclic olefins]
23/083  [Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond]
23/0838  [Copolymers of ethene with aromatic monomers]
23/0846  [Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms]
23/0853  (Vinylacetate)
23/0861  [Saponified vinylacetate]
23/0869  [Acids or derivatives thereof]
23/0876  [Neutralised polymers, i.e. ionomers]
23/0884  [Epoxide containing esters]
23/0892  [ containing monomers with other atoms than carbon, hydrogen or oxygen atoms]
23/10  Homopolymers or copolymers of propene
23/12  Polypropene
23/14  Copolymers of propene (C08L 23/16 takes precedence)
23/142  [at least partially crystalline copolymers of propene with other olefins]
23/145  [Copolymers of propene with monomers having more than one C=C double bond]
23/147  [Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms]

23/16  [Elastomeric] ethene-propene or ethene-propene-diene copolymers, [e.g. EPR and EPDM rubbers]

NOTE

This group is used for polymers comprising both ethylene and propylene

23/18  Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
23/20  having four to nine carbon atoms
23/22  . . . . . , Copolymers of isobutene; Butyl rubber (; Homo- or copolymers of other iso-olefins)
23/24  , having ten or more carbon atoms
23/26  modified by chemical after-treatment
23/28  by reaction with halogens or compounds containing halogen (C08L 23/32 takes precedence)
23/283  [Halogenated homo- or copolymers of iso-olefins]
23/286  [Chlorinated homo- or copolymers of iso-olefins]
23/30  by oxidation
23/32  by reaction with compounds containing phosphorus or sulfur
23/34  by chlorosulphonation
23/36  by reaction with compounds containing nitrogen, e.g. by nitrination
2023/40  (by reaction with compounds changing molecular weight)
2023/42  (Depolymerisation, vis-breaking or degradation)
2023/44  (Coupling; Molecular weight increase)

25/00  Compositions of, homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring; Compositions of derivatives of such polymers
25/02  Homopolymers or copolymers of hydrocarbons
25/04  Homopolymers or copolymers of styrene
25/06  Polystyrene
25/08  Copolymers of styrene (C08L 29/08, C08L 35/06, C08L 55/02 take precedence)
25/10  with conjugated dienes
25/12  with unsaturated nitriles
25/14  with unsaturated esters
25/16  Homopolymers or copolymers of alkyl-substituted styrenes
25/18  Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen

27/00  Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen; Compositions of derivatives of such polymers
27/02  not modified by chemical after-treatment
27/04  containing chlorine atoms
27/06  Homopolymers or copolymers of vinyl chloride
27/08  Homopolymers or copolymers of vinylidene chloride
27/10  containing bromine or iodine atoms
27/12  containing fluorine atoms
Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

27/14 . . . Homopolymers or copolymers of vinyl fluoride
27/16 . . . Homopolymers or copolymers of vinylidene fluoride
27/18 . . . Homopolymers or copolymers of tetrafluoroethylene
27/20 . . . Homopolymers or copolymers of hexafluoropropene
27/22 . . . modified by chemical after-treatment
27/24 . . . halogenated
29/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehyde, ketonic, acetal or ketal radical; Compositions of hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Compositions of derivatives of such polymers
29/02 . . . Homopolymers or copolymers of unsaturated alcohols (C08L 29/14 takes precedence)
29/04 . . . Polynvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids
29/06 . . . Copolymers of allyl alcohol
29/08 . . . with vinyl-aromatic monomers
29/10 . . . Homopolymers or copolymers of unsaturated ethers
29/12 . . . Homopolymers or copolymers of unsaturated ketones
29/14 . . . Homopolymers or copolymers of acetics or ketals obtained by polymerisation of unsaturated acetics or ketals or by after-treatment of polymers of unsaturated alcohols
31/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid or of a haliformic acid (of hydrolysed polymers C08L 29/00); Compositions of derivatives of such polymers
31/02 . . . Homopolymers or copolymers of esters of monocarboxylic acids
31/04 . . . Homopolymers or copolymers of vinyl acetate
31/06 . . . Homopolymers or copolymers of esters of polycarboxylic acids
31/08 . . . of phthalic acid
33/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers
33/02 . . . Homopolymers or copolymers of acids; Metal or ammonium salts thereof
33/04 . . . Homopolymers or copolymers of esters
33/06 . . . of esters containing only carbon, hydrogen and oxygen, which oxygen atoms are present only as part of the carboxyl radical
33/08 . . . [Copolymers with monomers not covered by C08L 33/06]
33/09 . . . [Copolymers with monomers containing anhydride, COOH or COOM groups, with M being metal or onium-cation]
33/10 . . . Homopolymers or copolymers of methacrylic acid esters
33/12 . . . Homopolymers or copolymers of methacrylate
33/14 . . . of esters containing halogen, nitrogen, sulfur, or oxygen atoms in addition to the carboxy oxygen
33/16 . . . Homopolymers or copolymers of esters containing halogen atoms
33/18 . . . Homopolymers or copolymers of nitriles
33/20 . . . Homopolymers or copolymers of acrylonitrile
33/22 . . . Homopolymers or copolymers of nitriles containing four or more carbon atoms
33/24 . . . Homopolymers or copolymers of amides or imides
33/26 . . . Homopolymers or copolymers of acrylamide or methacrylamide
35/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical, and containing at least one other carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers
35/02 . . . Homopolymers or copolymers of esters
35/04 . . . Homopolymers or copolymers of nitriles
35/06 . . . Copolymers with vinyl aromatic monomers
35/08 . . . Copolymers with vinyl ethers
37/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing oxygen (of cyclic esters of polyfunctional acids C08L 31/00); of cyclic anhydrides of unsaturated acids C08L 35/00); Compositions of derivatives of such polymers
39/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen; Compositions of derivatives of such polymers
39/02 . . . Homopolymers or copolymers of vinylamine
39/04 . . . Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
39/06 . . . Homopolymers or copolymers of N-vinyl-pyrrolidones
39/08 . . . Homopolymers or copolymers of vinyl-pyridine
Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

**41/00** Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur; Compositions of derivatives of such polymers

**43/00** Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing boron, silicon, phosphorus, selenium, tellurium or a metal; Compositions of derivatives of such polymers (of metal salts, e.g. phenolates, alcoholates, see the parent compounds)

**45/00** Compositions of homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic ring system; Compositions of derivatives of such polymers (of cyclic anhydrides or imides C08L 35/00; of cyclic esters of polyfunctional acids C08L 31/00)

**45/02** . of coumarone-indene polymers

**47/00** Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Compositions of derivatives of such polymers (C08L 45/00 takes precedence; of conjugated diene rubbers C08L 9/00, C08L 21/00)

**49/00** Compositions of homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Compositions of derivatives of such polymers

**51/00** Compositions of graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (for ABS polymers C08L 55/02); Compositions of derivatives of such polymers

**51/003** . [grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds (C08L 51/04, C08L 51/06 take precedence)]

**51/006** . [grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds]

**51/02** . grafted on to polysaccharides

**51/04** . grafted on to rubbers

**51/06** . grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond

**51/08** . grafted on to macromolecular compounds obtained otherwise than by reactions only involving unsaturated carbon-to-carbon bonds

**51/085** . [on to polysiloxanes]

**51/10** . grafted on to inorganic materials

**53/00** Compositions of block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Compositions of derivatives of such polymers

**53/005** . [Modified block copolymers]

**53/02** . of vinyl-aromatic monomers and conjugated dienes

**53/025** . [modified]

**55/00** Compositions of homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups C08L 23/00 - C08L 53/00

**55/005** . (Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond)

**55/02** . ABS [Acrylonitrile-Butadiene-Styrene] polymers

**55/04** . Polyadducts obtained by the diene synthesis

**57/00** Compositions of unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds

**57/02** . Copolymers of mineral oil hydrocarbons

**57/04** . Copolymers in which only the monomer in minority is defined

**57/06** . Homopolymers or copolymers containing elements other than carbon and hydrogen

**57/08** . containing halogen atoms

**57/10** . containing oxygen atoms

**57/12** . containing nitrogen atoms

**Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds**

**59/00** Compositions of polyacetals; Compositions of derivatives of polyacetals (of polyvinyl acetals C08L 29/14)

**59/02** . Polyacetals containing polyoxymethylene sequences only

**59/04** . Copolyoxymethylenes

**61/00** Compositions of condensation polymers of aldehydes or ketones (with polyalcohols C08L 59/00; with polyacrylates C08L 72/00); Compositions of derivatives of such polymers

**61/02** . Condensation polymers of aldehydes or ketones only

**61/04** . Condensation polymers of aldehydes or ketones with phenols only

**61/06** . of aldehydes with phenols

**61/12** . with polyhydric phenols

**61/14** . Modified phenol-aldehyde condensates

**61/16** . of ketones with phenols

**61/18** . Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only

**61/20** . Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with aminophenols C08L 61/04)

**61/22** . of aldehydes with acrylic or carboxylic compounds

**61/24** . with urea or thiourea

**61/26** . of aldehydes with heterocyclic compounds

**61/28** . with melamine
Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon...

Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon...

61/30 . . . of aldehydes with heterocyclic and acyclic or carbocyclic compounds
61/32 . . . Modified amine-aldehyde condensates
61/34 . Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups C08L 61/04, C08L 61/18 and C08L 61/20

63/00 Compositions of epoxy resins; Compositions of derivatives of epoxy resins
63/04 . Epoxy novolacs
63/06 . Triglycidylisocyanurates
63/08 . Epoxidised polymerised polyenes
63/10 . Epoxy resins modified by unsaturated compounds

NOTE
In groups C08L 65/00 - C08L 85/00, in the absence of an indication to the contrary, compositions of macromolecular compounds, obtained by reactions forming different linkages in the main chain, are classified only according to the linkage present in excess

65/00 Compositions of macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain (C08L 7/00 - C08L 57/00, C08L 61/00 take precedence); Compositions of derivatives of such polymers
65/02 . Polyphenylenes
65/04 . Polyxylenes

67/00 Compositions of polyesters obtained by reactions forming a carboxylic ester link in the main chain (of polyester-amides C08L 77/12; of polyester-imides C08L 79/08); Compositions of derivatives of such polymers
67/02 . Polysters derived from dicarboxylic acids and dihydroxy compounds (C08L 67/06 takes precedence)
67/05 . . . [containing polyether sequences]
67/03 . . . the dicarboxylic acids and dihydroxy compounds having the carboxyl- and the hydroxy groups directly linked to aromatic rings
67/04 . Polysters derived from hydroxydicarboxylic acids, e.g. lactones (C08L 67/06 takes precedence)
67/06 . Unsaturated polysters
67/07 . . . having terminal carbon-to-carbon unsaturated bonds
67/08 . Polysters modified with higher fatty oils or their acids, or with resins or resin acids

69/00 Compositions of polycarbonates; Compositions of derivatives of polycarbonates
69/005 . . . [Polyester-carbonates]

71/00 Compositions of polyethers obtained by reactions forming an ether link in the main chain (of polyacetals C08L 59/00; of epoxy resins C08L 63/00; of polyether-ethers C08L 81/02; of polyether-sulfones C08L 81/06); Compositions of derivatives of such polymers
71/02 . Polyalkylene oxides
71/03 . . . Polyepihalohydrins
71/08 . Polysters derived from hydroxy compounds or from their metallic derivatives (C08L 71/02 takes precedence) {not used}
71/10 . . . from phenols {not used}
71/12 . . . Polyphenylene oxides
71/123 . . . [not modified by chemical after-treatment]
71/126 . . . [modified by chemical after-treatment]
71/14 . . . Furfuryl alcohol polymers

73/00 Compositions of macromolecular compounds obtained by reactions forming a linkage containing oxygen or oxygen and carbon in the main chain, not provided for in groups C08L 59/00 - C08L 71/00; Compositions of derivatives of such polymers
73/02 . Polyanhydrides

75/00 Compositions of polyureas or polyurethanes; Compositions of derivatives of such polymers
75/02 . Polyureas
75/04 . Polyurethanes
75/06 . . . from polyesters
75/08 . . . from polyethers
75/10 . . . from polyacetals
75/12 . . . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group
75/14 . . . Polyurethanes having carbon-to-carbon unsaturated bonds
75/16 . . . having terminal carbon-to-carbon unsaturated bonds

77/00 Compositions of polyamides obtained by reactions forming a carboxyl amide link in the main chain (of polyhydrazides C08L 79/06; of polyanamideimides or polyanamide acids C08L 79/08); Compositions of derivatives of such polymers
77/02 . Polyamides derived from omega-amino carboxylic acids or from lactams thereof (C08L 77/10 takes precedence)
77/04 . Polyamides derived from alpha-amino carboxylic acids (C08L 77/10 takes precedence)
77/06 . Polyamides derived from polyamines and polycarboxylic acids (C08L 77/10 takes precedence)
77/08 . . . from polyamines and polymerised unsaturated fatty acids
77/10 . . . Polyamides derived from aromatically bound amino and carboxyl groups of amino-carboxylic acids or of polyanimes and polycarboxylic acids
77/12 . . . Polyester-amides

79/00 Compositions of macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing nitrogen with or without oxygen or carbon only, not provided for in groups C08L 61/00 - C08L 77/00
79/02 . Polyamines
79/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyanide acids or similar polyanide precursors
79/06 . . . Polyhydrazides; Polytiazoles; Polyanimo-triazoles; Polyoxadiazoles
79/08 . . . Polyanides; Polyester-imides; Polyanide-imides; Polyamide acids or similar polyanide precursors
79/085 . . . [Unsatuated polyanide precursors]
Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon...

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81/00 Compositions of macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing sulfur with or without nitrogen, oxygen or carbon only; Compositions of polysulfones; Compositions of derivatives of such polymers

81/02 . Polythioethers; Polythioether-ethers
81/04 . Polysulfides
81/06 . Polysulfones; Polyethersulfones
81/08 . Polysulfonamides
81/10 . Polysulfonimidates; Polysulfonimidines

83/00 Compositions of macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing silicon with or without sulfur, nitrogen, oxygen or carbon only; Compositions of derivatives of such polymers

NOTE
In this main group, from 01.09.2010 onwards, new documents are classified according to the following system.The composition is identified with the C-Set, e.g. (C08L 83/04, C08L 83/04) (for a composition containing two or more siloxanes), while the info

83/02 . Polysilicates
83/04 . Polysiloxanes
83/06 . containing silicon bound to oxygen-containing groups (C08L 83/12 takes precedence)
83/08 . containing silicon bound to organic groups containing atoms other than carbon, hydrogen and oxygen
83/10 . Block- or graft-copolymers containing polysiloxane sequences (obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane C08L 51/08, C08L 53/00)
83/12 . containing polyether sequences
83/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms (C08L 83/10 takes precedence)
83/16 . in which all the silicon atoms are connected by linkages other than oxygen atoms

85/00 Compositions of macromolecular compounds obtained by reactions forming a linkage in the main chain of the macromolecule containing atoms other than silicon, sulfur, nitrogen, oxygen and carbon; Compositions of derivatives of such polymers

85/02 . containing phosphorus
85/04 . containing boron

87/00 Compositions of unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds

87/005 . [Block or graft polymers not provided for in groups C08L 1/00 - C08L 85/04]

Compositions of natural macromolecular compounds or of derivatives thereof (of polysaccharides C08L 1/00 - C08L 5/00; of natural rubber C08L 7/00)

89/00 Compositions of proteins; Compositions of derivatives thereof (foodstuff preparations A23J 3/00)
Properties; Applications; Other features

2203/00 Applications
2203/02 . for biomedical use
2203/10 . used for bottles
2203/12 . used for fibers
2203/14 . used for foams
2203/16 . used for films
2203/162 . . scalable films
2203/18 . used for pipes
2203/20 . use in electrical or conductive gadgets
2203/202 . . use in electrical wires or wirecoating
2203/204 . . use in solar cells
2203/206 . . use in coating or encapsulating of electronic parts
2203/30 . used for thermoforming
2203/40 . used as motor oil additive

2205/00 Polymer mixtures characterised by other features
2205/02 . containing two or more polymers of the same C08L group
2205/025 . . containing two or more polymers of the same hierarchy C08L, and differing only in parameters such as density, comonomer content, molecular weight, structure
2205/03 . containing three or more polymers in a blend
2205/035 . . containing four or more polymers in a blend
2205/04 . containing interpenetrating networks
2205/05 . containing polymer components which can react with one another
2205/06 . having improved processability or containing aids for moulding methods
2205/08 . containing additives to improve the compatibility between two polymers
2205/12 . containing additives being liquid crystalline or anisotropic in the melt
2205/14 . containing polymeric additives characterised by shape
2205/16 . . Fibres; Fibrils
2205/18 . . Spheres
2205/20 . . . Hollow spheres
2205/22 . . Mixtures comprising a continuous polymer matrix in which are dispersed crosslinked particles of another polymer
2205/24 . . Crystallisation aids
2205/242 . . . Beta spherulite nucleating agents

2207/00 Properties characterising the ingredient of the composition
2207/02 . . Heterophasic composition
2207/04 . . Thermoplastic elastomer
2207/06 . . Properties of polyethylene

C08L
Properties; Applications; Other features

NOTE

These codes are not used for the classification of new documents. They are a replacement of the combination classes.